

From: "Stefanoff, Jim/SPK" <jstefano@CH2M.com>
 To: "Voytilla, Mary Kay/EPA" <voytilla.marykay@epamail...
 Date: 10/30/98 7:49am
 Subject: FW: Phil Sheridan Floor in Poor Shape

Please see the below comments from John Winters concerning use of the Phil Sheridan for the West Fork diversion piping system.

-----Original Message-----

From: Winters, John/RLO
 Sent: Friday, October 30, 1998 7:38 AM
 To: Stefanoff, Jim/SPK; Stoupa, Joan/SEA
 Subject: RE: Phil Sheridan Floor in Poor Shape

Greetings -

Here are some thoughts to consider on the pipeline which the Phil Sheridan would replace. I have completed some initial sizing on the pipeline which will carry the West Milo Creek flow. It will most likely be a 12" or at max 14" diameter. By using the Phil Sheridan, we might save approximately 800 to 1000 lineal feet of this new pipe. The pipe material costs will be about \$10 to \$12 per foot. Due to the terrain, let's guess a little high and say the pipe in place cost \$50/ft. This cost does not include the work to build the access road up to the diversion location.

The Phil Sheridan discharge point is not close to the West Milo Creek so a separate access road would need to be constructed. This additional access road (an additional cost to the project) would provide a route for the Phil Sheridan pipeline and access for construction of some type of intake structure at the tunnel entrance. This discussion is not a complete cost comparison of the two alternatives but I think it shows besides the structural integrity and repairs needed to the Phil Sheridan, there are some other costs that erode some of the cost savings associated with the 12" pipe.

 From: Stefanoff, Jim/SPK
 Sent: Friday, October 30, 1998 7:15 AM
 To: Voytilla, Mary Kay/EPA
 Cc: Hudson, Bill/CH2M HILL/Kellogg; Zilka, Nick/IDEQ;
 Ralston, Dale/U of I; Riley, John/Pyrite Hydrochem; Gruenenfelder,
 Chuck/SPK; Germon, Matt/SPK; Stoupa, Joan/SEA; Green, Ken/SEA; Winters,
 John/RLO; Thomas, Mike/IDEQ; Fitzgerald, Mike/Terragraphics
 Subject: Phil Sheridan Floor in Poor Shape

Hello Mary Kay, Bill Hudson and Nick Zilka went into the Phil Sheridan this week. Bill is preparing a memo that will describe how using the Phil Sheridan will be difficult due to poor ground conditions and likely connections to open stopes below. Considering the already marginal benefits of using the Phil Sheridan for the South Fork diversion (It would save some piping, but would require a lot of drift repair and then difficult to construct piping to get the water from the exit to the basin floor) I suggest we not pursue the Phil any more unless others have additional information to justify its use. Jim.

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CC: "Hudson, Bill/CH2M HILL/Kellogg" <superfund@nidlin...